



Date: January 12, 1984

Subject: Annual Industrial Hygiene Survey for 1983

From/Location: C. J. Kracher

To/Location: D. F. Ryan

Attached are the results of the Annual Industrial Hygiene Survey for the year 1983.

Exposures on jobs and in general work areas were determined through personal monitoring and a limited amount of stationary sampling. Curtailed plant operation and work force resulted in a reduction in monitoring for this survey.

Included in the survey are the following contaminants:

1. Particulate Polycyclic Organic Matter (Benzene Soluble Hydrocarbons)
2. Total Particulates
3. Gaseous and Particulate Fluorides
4. Noise

1. Particulate Polycyclic Organic Matter. (PPOM)

Exposures remain low in the potrooms with the exception of one shift monitored in Rooms 5 and 6. In this instance the TLV of  $0.2 \text{ mg/m}^3$  was exceeded due to Dry Scrubber down time and a recently cut in pot. Exposures in other job functions and work areas were similar to last year.

2. Total Particulates.

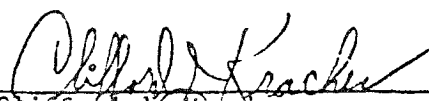
The average particulates for the six rooms in operation was  $2.66 \text{ mg/m}^3$ , which is a new average low in potroom exposure. With the exception of basement sweepings treatment at the Pole Shed and Crusher Operation, no other area monitored exceeded the TLV of  $10 \text{ mg/m}^3$ .

3. Gaseous and Particulate Fluorides.

Because employee exposure to fluorides has always been and continues to be low, annual monitoring of this contaminant has been reduced in this survey and will be in those of the future.

4. Noise.

A more detailed noise survey was followed during this survey to assure coverage of all jobs in compliance with the Hearing Conservation Amendment.

  
Clifford J. Kracher  
Industrial Hygiene Supervisor

mc: R. A. Sneddon  
T. F. Payne  
W. A. Hook